

MAY 22 1984



Date: May 21, 1984

E.L. CAMBRIDGE

Subject: Petroleum Coke Supply to Columbia Falls

From/Location: D. S. Moran

File: _____

To/Location: E. L. Cambridge

Columbia Falls is now conducting a study of coke/pitch systems in an effort to learn why one coke (i.e., Collier) works well in their plant and another (i.e., ARCO) does not. This question is not an uncommon one. Martin-Marietta has just cut off its own corporate supply of coke because of its unacceptability. Columbia Falls is now working with Reilly Tar & Chemical Company in an effort to produce and study some unique pitches to use in combination with ARCO coke and others to produce an acceptable anode. We at Tucson are proceeding with the development of lab equipment which will predict more accurately the performance of coke/pitch systems at Columbia Falls. Columbia Falls will be convinced to test ARCO coke again when we, as a company, learn more about how to make it work within the context of their operating environment.

All over the world, Soderberg plants are successful with using some coke types and unsuccessful with others--and no one really knows why. Columbia Falls is making a deliberate effort to learn why, but a plant test is not feasible until new knowledge is gained in this area.

D. S. MORAN

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Petroleum coke

Columbia Falls Tech. Support